

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/060346 A2**

(51) International Patent Classification: Not classified

(21) International Application Number:  
PCT/IL2004/001149

(22) International Filing Date:  
20 December 2004 (20.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/530,909 22 December 2003 (22.12.2003) US

(71) Applicant (for all designated States except US): EYE-  
POINT LTD. [IL/IL]; 59 Galgal Hamazalot st., 45309 Hod  
Hasharon (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TZIDON, Aviv

[IL/IL]; 5 Baaley Melacha st., 67215 Tel Aviv (IL). TZI-  
DON, Dekel [IL/IL]; 59 Galgal Hamazalot st., 45309 Hod  
Hasharon (IL).

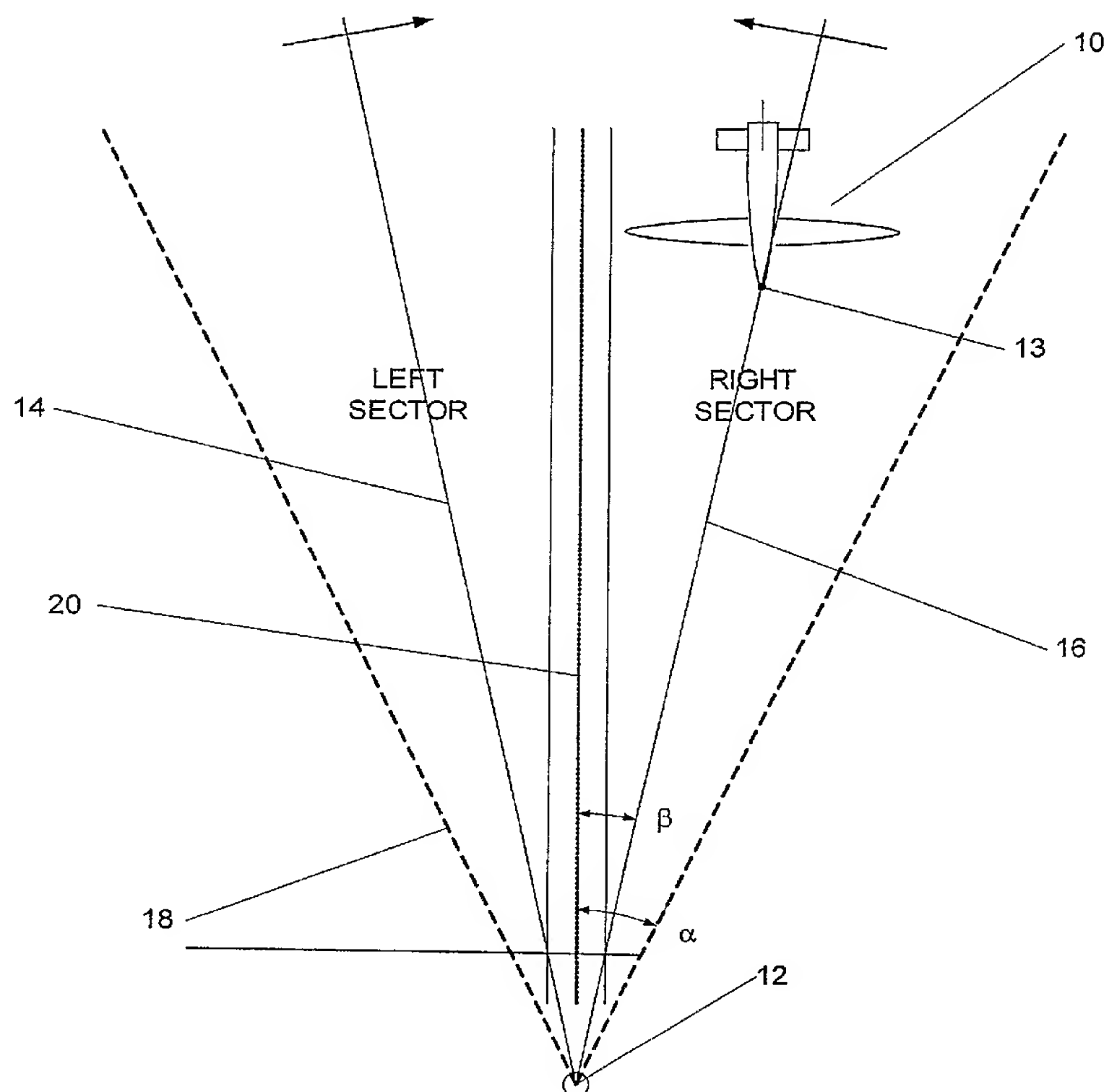
(74) Agent: MILLER - SIERADZKI, ADVOCATES &  
PATENT ATTORNEYS; P.O.B 6145, 31061 Haifa (IL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: HIGH PRECISION WIDE-ANGLE ELECTRO-OPTICAL POSITIONING SYSTEM AND METHOD



(57) Abstract: A positioning system for determining an angular position of a vehicle with respect to a predetermined position. The system comprises at least one beacon whose position relative to the predetermined position is known, for generating at least one beam of known optical characteristic that allows deriving of the angular position.

WO 2005/060346 A2



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *without international search report and to be republished upon receipt of that report*